



California Energy Commission

# **RFP-13-801**

## **Technical Support and Training for Electricity Supply Analysis**

California Energy Commission

Request for Proposals

RFP-13-801

Pre-Bid Conference

Date: August 9, 2013



# Proposal Requirements

## REQUIRED FORMAT FOR PROPOSAL RESPONSE

- Consists of Two Sections
  - Section 1 – Administrative Response
  - Section 2 – Technical and Cost Proposal



# **Section 1, Administrative Response**

Every Proposer must complete and include the following in Section 1, Administrative Response:

- Cover Letter
- Table of Contents
- Contractor Status Form
- Small Business Preference Certification (if applicable) (Or Non-Small Business Preference)
- Completed DVBE forms
- Bidder Declaration Form GSPD-05-105



## **Section 1, Administrative Response**

- Signed Contractor Certification Clauses
- Target Area Contract Preference Act Forms (if applicable)
- Enterprise Zone Act Forms (if applicable)
- Local Agency Military Base Recovery Act Forms (if applicable)



## **Section 2, Technical Proposal**

Every Proposer must complete and include the following in Section 2.

- Bidder's Organizational Structure
- Bidder's Administrative Capabilities
- Bidder and Sub-Contractor Qualifications
- Team Member Experience & Capabilities by Task
- Previous Work Products
- Client References



## Section 2, Cost Proposal

Every Proposer must complete and include the budget forms found in Attachment 7 of the solicitation.

- Prime Labor Rates -Att B-1
- Labor Rates for each Subcontractor - Att B-1a-b
- Prime Non-Labor Rates - Att B-2
- Non-Labor Rates for each Subcontractor - Att B-2a-b
- Direct Operating Expenses - Att B-3
- **Loaded Rate Calculation – Att B-6 (for evaluation purposes)**



# Small/Non-Small Business Preference

- Small Business Preference – Certified Small Businesses or microbusinesses can claim the five percent preference when submitting a proposal. See RFP, page 27 and Attachment 3.1 for more information.
- Non-Small Business Preference – Bidder commits to small or micro business subcontractor participation of 25% of net bid price. See RFP, page 27 and Attachment 3.1 for more information.



## **Disabled Veteran Business Enterprise (DVBE) Requirements**

Full DVBE participation (3% of total Agreement amount)

Proposer commits to meet or exceed the DVBE participation requirements by either of the following methods:

Method A1 – Proposer is a Certified DVBE

Method A2 – Subcontractor is a certified DVBE and will receive at least 3% of the Agreement amount





# DVBE Incentive Program

The DVBE Incentive Program gives a contractor an opportunity to improve their bid status based on the efforts attained from the DVBE Participation Program. See RFP, page 26 and Attachment 3.1 for more information.

- The incentive computation is only applied during the evaluation process and only to responsible Bidders.
- The incentive points for awards based on high score are as follows:
  - Participation of 3.01% - 4.99% = 1 point
  - Participation of 5% or more = 2 points



## Tentative Key Activities and Dates

Deadline for Written Questions: 5 pm, August 9, 2013

Distribute Questions/Answers  
and Addenda (if any) to RFP-13-801: August 13, 2013

**Deadline to Submit  
Proposals by:** **3:00 pm, September 3, 2013**

Notice of Proposed Award: September 10, 2013

Commission Business Meeting: October 9, 2013



## Program Overview

Energy Commission required to assess and forecast all aspects of energy industry, including supply, production, delivery and distribution, demand and prices.

Provide analytical support for developing energy policies that conserve resources, protect the environment, ensure energy reliability, enhance state's economy, and protect public health and safety.



## Scope of Work (SOW)

- Technical support for the Electricity Supply Analysis Division in analyzing, forecasting and assessing electricity and natural gas systems and markets.
- Integrated Energy Policy Report identifies energy issues that can and should be addressed through policy, planning, research, and legislation.



## Scope of Work (Cont'd)

- Provide technical expertise and capabilities beyond those available to staff to support complex aspects of analysis and forecasting.
- Provide peak workload resources relative to production of analysis for IEPR and other needed analytic products.



## Task 1: Agreement Management

- Kick-off Meeting
- Invoices
- Manage Subcontractors
- Progress Reports
- Final Report



## **Task 2: Electricity System & Infrastructure Analysis**

### **Generation & Transmission System**

- Power flow analysis and evaluation of local capacity areas.
- Develop analytical techniques for assessing renewable integration needs.
- Improve electricity system modeling and characterization of various resources.
- Support for applying risk analysis and low resolution, exploratory modeling.



## **Task 2: Electricity System & Infrastructure Analysis Task - Continued**

### **Distribution System Planning**

- Assess costs, economics, and operating characteristics of Distributed Generation (DG).
- Analyze the need for distribution system upgrades and interconnection requirements.
- Evaluate smart grid technologies, including distribution automation, inverters and methodologies.





## Task 3 - Improve Demand Forecast

- Assess alternative demand forecasting methodologies and techniques.
- Improve individual sector demand forecasting methods and techniques.
- Improve capability to disaggregate load profiles by customer classes.
- Assess the impact of PV and demand side measures on customer load shapes.



## Task 4 - Energy Demand Analysis

- Improve methods to assess adoption of efficiency and demand response.
- Analysis of key uncertainties and risks related to customers demand and resources.
- Coordination and support of Demand Analysis Working Group.
- Methods to incorporate climate change impacts in demand forecasts.



## Task 5 – Natural Gas Assessment

- Analyze of trends in natural gas supply, infrastructure, demand and price.
- Develop probabilistic methods to evaluate results of gas forecasting models.
- Assess impacts of increased reliance on natural gas on electric system reliability.
- Analyze gas system implications of using natural gas for integrating renewable resources.



## **Task 6 - Market Assessment & Analysis**

- Analysis of costs, locations, and relevant factors for central station and distributed generation.
- Assess market potential for CHP and DG by technology and economic sector.
- Develop operating profiles, capacity factors, and variability of DG resources.
- Assess cost drivers and associated uncertainties in future technology costs.



## **Task 7 - DG Assessment & Analysis**

- Develop distribution planning processes and methods.
- Evaluate distribution system upgrades and costs.
- Examine changes in distribution engineering practices of interconnection requirements for large penetration of DG.
- Distribution circuit and power flow modeling.



## **Task 8 – Preferred Renewable Development Zones**

- Identify areas within the state where distributed renewable resource can be deployed cost effectively.
- Develop technical and regulatory frameworks for distributed renewable zones.
- Identify desirable characteristics, locations and project sizes for renewable projects.



## Questions and Answers

- QUESTION AND ANSWER SESSION
- QUESTIONS ARE DUE BY 5 pm today,  
August 9, 2013



## Whom to Contact?

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